Theſe Particles of the Blood, are, according to my poſition, ſo ſmall, that ten hundred thouſand of them cannot make up ſo great a body as the corn of a great Sand; and from thence we do conjecture, that ſuch ſmall veſſels have ſtill branches or channels; for if they were not provided with them, the blood veſſels in the thinneſt of the tail, where they meet together, ſhould not lye croſs one on another, but muſt be united with one another, which I have not obſerved.

III. *A relation of the cutting an Ivory Bodkin out of the Bladder of a young Woman in* Dublin, *by Mr* Proby; *communicated by Dr* Thomas Molyneux, *F. R. S.*

D*Orcas Blake*, a full bodied ſanguine Maid, of about twenty years old, whilſt in her Fathers houſe, in *Fiſhamble-ſtreet*, *Dublin*, was much troubled with an hoarſeneſs laſt winter, for which ſhe was deſirous to take a Vomit; but her Friends not conſenting to it, ſhe endeavour'd to provoke one, by thruſting her finger into her throat on the fifth of *January*, 1694. which not anſwering her deſires, ſhe drew an Ivory Bodkin of four inches long out of her hair, and thruſt the ſmall end forward into her Throat, upon which ſhe heav'd ſo often as put her out of breath, and oblig'd her to ſtand upright to draw ſome air, which ſhe did without taking the Bodkin out of her Throat, and at that inſtant it ſlipt out of her fingers, and paſs'd into her ſtomach. The accident put her into ſome fright, but that ſoon went off again, becauſe ſhe found no

immediate inconvenience. However, the reflections ſhe made thereon, kept her awake that night. The next day which was *Sunday*, the ſixth of *January*, 169$\frac{4}{5}$. about noon, ſhe felt a ſharp pricking pain in the right ſide of her Belly, lower than the Navel. However, ſhe got out of bed, and walkt a little about: Towards Evening ſhe felt the pain nearer her right Groin than before, which hindred her from walking, and obligd her to betake herſelf again to her bed, where ſhe lay reſtleſs all that night, by reaſon of the exceſſive pain. On *Monday* in the Afternoon one Mrs M^{c} *Guennis*, a Midwife, dwelling at the *Lamb* in *Fiſhamble-ſtreet*, ſearcht her, and ſaid ſhe felt the end of the Bodkin, but thought it was in a Gut. The next day one Mrs *Taylor* another Midwife, living the next door to the *Bunch of Keys* in St *Brides-ſtreet*, ſearcht her alſo, who ſaid ſhe felt the Bodkin; but the poor woman being unſatisfy'd with the Midwife's account, ſent for me to her that night: In ſearching her by the *Anus* I could not find it, but putting my Finger into the *Vagina Uteri*, I felt the Bodkin; and becauſe ſhe complained of a difficulty in voiding her Urine, I made uſe of my *Catheter*, and felt it, as I conceive, in the Bladder; but immediately trying a ſecond time, I could not find it, which made me dubious for ſome time what to do. Within a fortnight after, in the preſence of Doctor *John Madden*, the very worthy Preſident of the King and Queen's Royal Colledge of Phyſicians in *Ireland*, and Doctor *Thomas Molyneux*, a Fellow of that Society I did convey a *Catheter* into her Bladder, where the Bodkin was at that time very plainly to be felt. She then had as well as all the time, ſuch an exceſſive pricking pain at voiding her Urine, that ſhe was often conſtrain'd to hold it much longer than ſhe would, which made her earneſt that the Bodkin ſhould be brought away at any rate; whereupon I reſolved to endeavourto

extract

extract it after the ſame manner, as I do Stones from Women; and accordingly (her Body being duly prepar'd for the operation) about ten days after, the aforenam'd Phyſicians being preſent, I did attempt the extraction, having introduc'd my Forceps into the neck of the Bladder, I very readily took hold of the Bodkin, but could not move it. I then paſs'd in my Finger thro the dilatation into the Bladder, and try'd to bring the whole Bodkin into the Bladder, but could not; nor could I turn it one way or another, but round like a Spindle. I often ſeiz'd it with my Forceps, but found it impoſſible to remove it by reaſon of the poſition, which was the ſmaller end, reſting upon the inſide of the *Iſchium* (as I imagine) which probably occaſion'd her halting. Finding all my attempts to be fruitleſs, I deſpaired ever to effect it this way, which made me deſiſt from farther tryal for ſome time: but now the weather being more favourable, and her pains encreaſing, notwithſtanding that ſhe was frequently informed of the danger of the operation, by the Phyſicians and me, yet by her daily importunity, I was prevailed upon to attempt the extracting of it in the manner of the higher operation for the Stone, which was as follows. Doctor *Madden*, Doctor *Molyneux*, and Doctor *Smith*, Fellows of the aforeſaid Colledge, being preſent, having placed her in a convenient poſture, I put my Finger into the *Vagina Uteri*, and felt the Bodkin lying cloſe to it on the outſide, whilſt I held my Finger there I preſſed with my left hand above the *Os Pubis*, where I felt the head or thickeſt end of the Bodkin. I then remov'd my Right hand, and deſired Doctor *Smith* to put his Finger into the *Vagina*, as I had done before, and preſs hard againſt the Bodkin, which he did, and held it very firm and ſteddy, whilſt I made an Inciſion about an inch and a half in length on the outſide of the right *Muſculus Rectus*, till I came to the

Bladder. I then paſs'd my Fore-finger and Thumb into the wound, and got hold of the head of the Bodkin, (the ſubſtance of the Bladder only being between) upon which, with a ſmall crooked *Biſtore*, I cut the Bladder, and by gently preſſing my Finger and Thumb the Bodkin ſlipt out of the Bladder between them, by which I very eaſily extracted it. I dreſs'd the wound and put her into Bed, and in leſs than a month, by Gods great bleſſing, ſhe was perfectly cur'd, and as free from any inconvnience, occaſion'd by ſwallowing the Bodkin, as ever ſhe was in her life.

Tho. Proby.

WE, the Phyſicians under-named, do hereby certify, that all the particulars of the Chirurgical operation of extracting the Bodkin out of the Bladder of *Dorcas Blake*, as contained in the foregoing account, are truly and faithfully related, it being perform'd by Mr *Thomas Proby*, Maſter Chiruregon, with great skill and ſucceſs in our preſence, as witneſs our Hands, this 22d of *May*, 1695.

I. Madden Preſid. *T. Molyneux.*
Wm. Smith.

D*Orcas Blake*, of *Fiſhamble-ſtreet*, in the Pariſh of *St John Spinſter*, came this day before me, and being ſworn on the holy Evangeliſts, ſaith that the above relation is true in ſubſtance, and that ſhe did ſwallow the Bodkin therein mentioned, and that the Bodkin now ſhewed to her is the ſame that ſhe formerly ſwallow'd.

her
Dorcas —— *Blake.*
mark.

Jurat coram me decimo die Junii 1695.
G. Blackall *Major. Dublin.*

The

The Bodkin was cut out of her Bladder that day nine weeks that ſhe ſwallow'd it. There was but half of the Bodkin in the Bladder, which was incruſtrated with a gravelly calculous matter, as appears in the adjoining figure. A the head or blunt end of the Bodkin, from A to B the half which was in the Bladder with its Cruſt: from B to C the part which was out of the Bladder in the *Pelvis*, the point reſting upon the *Iſchium*. *Vid.* Fig. 7.

IV. *A Diſcourſe of the Viper, and ſome other Poyſons, wrote by Sir* Theodore de Mayerne, *after ſome diſcourſe he had with Mr* Pontæus, *Communicated by the late Sir* Theodore de Vaux, *M. D. and F. R. S.*

THe venom of the Viper in itſelf is not mortal to a robuſt and ſound body, and tho very unhappy and miſchievous accidents attend it; as a great tumour, tenſion and weight of the part, humidity, and variety of colours, phrenſies, convulſions, vomitings, yet in eight or ten days at moſt theſe accidents are over, altho the Patient may be very ill, yet he recovers again, whilſt the Poyſon having run through divers parts of the body, at laſt it always throws itſelf into the *Scrotum*, ſwelling it extreamly, cauſes a great heat and quantity of Urine, very hot and ſharp, by which it is diſcharged, this evacuation being the ordinary and moſt certain Criſis of the Diſeaſe. It is obſervable, that the perſpiration being obſtructed by the Poyſon, a man bit by a Viper, and ſwell'd up, in three or four days ſhall weigh almoſt as much more as he did before.

fig : 5.

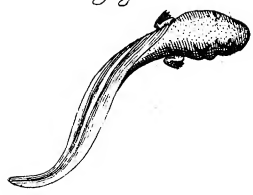
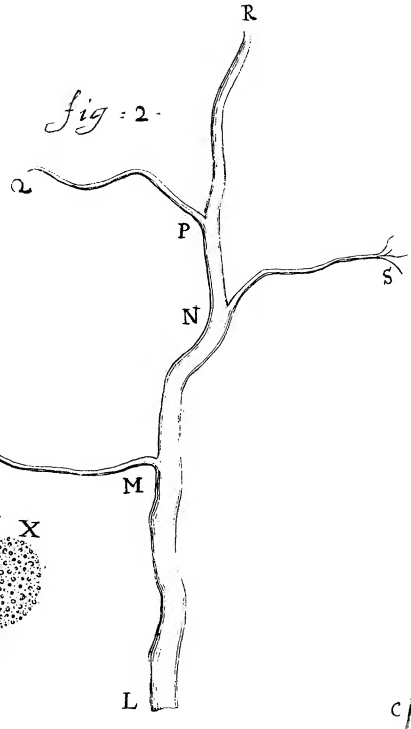
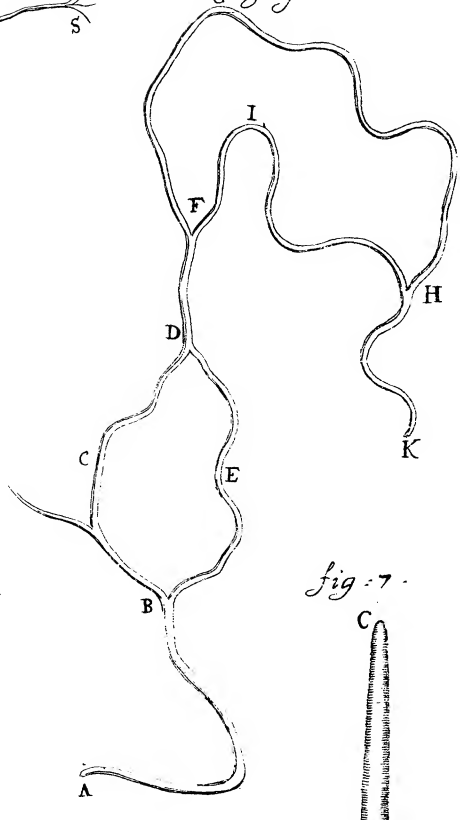


fig : 2.



G fig : 1.



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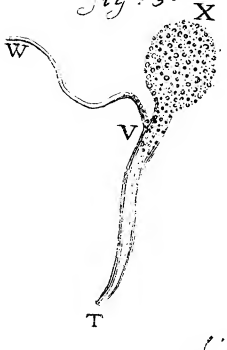

fig : 4.

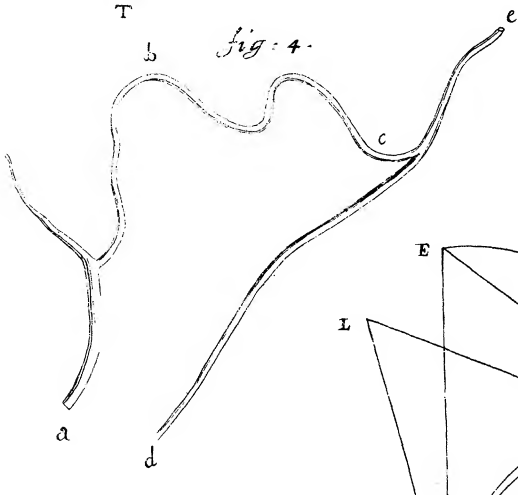

fig : 7.
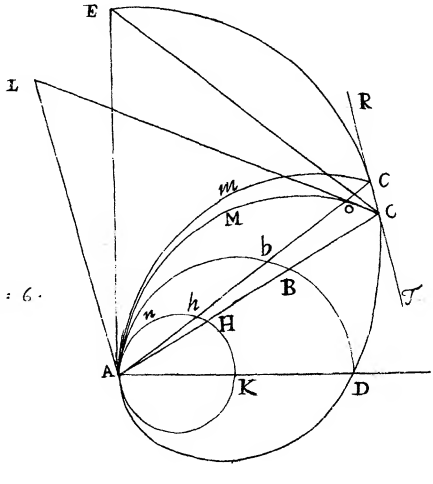
fig : 6.